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Application/Control No.

10/600,518

Date

Examiner

Gims S. Philippe

Applicant(s)/Patent under Reexamination

CASTILLO ET AL.

Art Unit

2621

| 1 | Rejected |
|---|----------|
|   | Allowed  |

| _ | (Through numeral)<br>Cancelled |  |  |  |  |  |  |  |
|---|--------------------------------|--|--|--|--|--|--|--|
| ÷ | Restricted                     |  |  |  |  |  |  |  |

Claim

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| - | Interference |

|   | · <b>A</b> | Appeal   |
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| <del> </del>    | Original             | 9/13/07                             |  |  |  |          |  |          |              |                |   |
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| 3               | 3                    | <del> -</del>                       | -  | ├  | ⊢  |          | $\vdash$   |          | $\vdash$     | $\vdash$       |   |
| 4               | 4                    | =                                   |  | _  |  |          | ┢  |          | ┢            |                |   |
| 5               | 5                    | Ħ                                   | $\vdash$   |  |  |          |  |          |              | H              |   |
| 6               | 6                    | =                                   | -  |  | -  | $\vdash$ | -  |          | $\vdash$     |                |   |
| 7               | 7                    | ┢                                   | <del> </del>                                     | -  | -  |          | -  |          | -            | -              |   |
| 8               | 8                    | =                                   |  | -  | _  |          | -  |          | _            | -              | 1 |
| 9               | 9                    | <del> </del>                        | H  | $\vdash$   |  | $\vdash$ | $\vdash$   |          | $\vdash$     | <u> </u>       |   |
| 10              | 10                   | 늘                                   | $\vdash$   | $\vdash$   |  | $\vdash$ | $\vdash$   |          | $\vdash$     | $\vdash$       | 1 |
| 11              | 11                   | Ē                                   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$     | $\vdash$       | 1 |
| 12              | 12                   | =                                   | <del>                                     </del> | <del>                                     </del> | _  |          | <del>                                     </del> | $\vdash$ | $\vdash$     | $\vdash$       | 1 |
| 13              | 13                   | ╘                                   | $\vdash$   | $\vdash$   | $\vdash$   |          | $\vdash$   |          | $\vdash$     | $\vdash$       | 1 |
| 13<br>14        | 12<br>13<br>14<br>15 | =                                   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$   | -        |              | $\vdash$       | 1 |
| 15              | 15                   | =                                   | <del>                                     </del> | <del>                                     </del> | <del>                                     </del>   |          | _  | $\vdash$ | $\vdash$     | $\vdash$       | Ì |
| 16              | 16                   | =                                   | $\vdash$   | <del> </del>                                     | _  | -        | -  |          | <del> </del> | $\vdash$       | 1 |
| 16<br>17        | 16<br>17             | =                                   | $\vdash$   | $\vdash$   | $\vdash$   |          | $\vdash$   |          |              | $\vdash$       |   |
| 18              | 18                   | =                                   | <b></b>  | <del>                                     </del> | <u> </u>   |          | <del>                                     </del> | _        |              | ┢              |   |
| 19              | 19                   | =                                   | $\vdash$   | $\vdash$   |  |          | $\vdash$   | _        | -            | $\vdash$       | 1 |
| 19<br>20        | 19<br>20<br>21       | ╘                                   |  |  |  | Н        | Н  |          | $\vdash$     |                | 1 |
| 21              | 21                   | Ξ                                   | _  | _  | _  | _        | _  |          | _            | _              | ١ |
| 22              | 22                   | ╘                                   | $\vdash$   |  |  | $\vdash$ | _  |          | _            |                | 1 |
| 22              | 22<br>23             | =                                   |  |  |  |          | $\vdash$   |          |              |                |   |
| 24              | 24                   | =                                   |  |  |  |          |  |          |              |                | ĺ |
| 24<br>25        | 24<br>25             | =                                   |  | Π  |  |          |  |          |              |                | 1 |
| 26              | 26                   | =                                   | _  |  |  |          |  |          | $\Box$       |                | l |
| 27              | 27                   | =                                   |  |  |  |          |  |          |              |                |   |
| 28              | 28                   | =                                   |  |  |  |          |  |          |              |                | 1 |
| 29              | 29                   | =                                   |  |  |  |          |  |          |              |                | ١ |
| 30              | 30                   | =                                   |  |  |  |          |  |          |              |                |   |
| 31              | 30<br>31             | =                                   |  |  |  |          |  | ·        |              |                |   |
| 32              | 32                   | =                                   |  |  |  |          |  |          |              |                |   |
|                 | 33                   |                                     |  |  |  |          |  |          |              |                | 1 |
|                 | 34                   |                                     |  |  |  |          |  |          |              |                | 1 |
|                 | 35                   | <u> </u>                            | <u></u>  |  |  | L        | L  |          | <u> </u>     |                | 1 |
|                 | 36                   | _                                   | _  | $oxedsymbol{oxedsymbol{oxedsymbol{eta}}}$        | L  |          |  |          |              | _              |   |
|                 | 37                   |                                     |  | _  | <u></u>  |          |  |          |              |                | 1 |
|                 | 38                   | <u> </u>                            |  |  | $ldsymbol{ld}}}}}}$ |          |  |          |              |                | 1 |
|                 | 39                   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | _  | <u> </u>   |  |          |  | _        | L.           |                |   |
|                 | 40                   | <u> </u>                            | <u> </u>   |  |  |          | <u></u>  | <u></u>  | ļ            | _              |   |
|                 | 41                   | -                                   | <u> </u>   | _  |  | _        | L_   | <u> </u> | L_           | L              | l |
|                 | 42                   | <u> </u>                            | L_   | _  | _  | Ш        |  | <u>_</u> | <u> </u>     | L.             | 1 |
| L               | 43                   | L                                   | L_   | _  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$  | Ш        | <u> </u>   | <u> </u> | L_           | <u> </u>       | Į |
|                 | 44                   |                                     |  |  |  |          | _  |          | _            |                | l |
|                 | 45                   |                                     |  |  |  |          |  | 100      |              |                |   |
|                 | 46                   | _                                   | _  | _  | _  | Ш        | _  | _        | _            | _              | 1 |
| <u></u>         | 47                   | <u> </u>                            | <u> </u>   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              |  | _        |  |          |              | <u> </u>       | l |
| $\vdash \vdash$ | 48                   | <u> </u>                            | $\vdash$   | $\vdash$   | $\vdash$   | ļ        | <u> </u>   | <u> </u> | <u> </u>     | <u> </u>       | l |
| $\vdash$        | 49                   | -                                   | <u> </u>   | <u> </u>   | <u> </u>   |          | <u> </u>   |          | <u> </u>     | <del> </del> — | 1 |
| 1               | 50                   | ı                                   | 1  | 1  | ı  | ı        | ı  |          | ı            | ı              | ı |

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|             | 51             |               |              |              | -        | -        |          | $\vdash$ |  | -                                   |
| <del></del> | 52             | <del> </del>  | -            | -            | _        | _        | $\vdash$ | $\vdash$ | _  | $\vdash$                            |
| -           | 51<br>52<br>53 | _             | $\vdash$     |              |          | $\vdash$ |          | $\vdash$ |  | $\vdash$                            |
|             | 54             | -             | ├            | _            | _        | $\vdash$ | Н.       | H        |  | $\vdash$                            |
|             | 55             | _             |              | -            |          |          |          | H        |  | _                                   |
| -           | 56             | _             | <del> </del> |              |          |          | _        | ⊨        |  | $\vdash$                            |
|             | 57             | -             | ├            |              | _        | _        |          |          | _  |                                     |
|             | 50             | _             | _            | _            | _        | _        | _        | _        |  |                                     |
|             | 58<br>59       | <u> </u>      | ļ            | -            | _        | _        |          | _        | _  |                                     |
|             | 59             | _             | <u> </u>     |              | $\vdash$ | -        |          | _        |  | <u> </u>                            |
|             | 60             |               |              |              | <u> </u> |          |          |          |  |                                     |
| -           | 61             |               | _            |              |          |          |          | _        |  |                                     |
| ļ           | 62             |               | ļ            |              |          | L        |          | <u> </u> | _  |                                     |
| ļ           | 63             |               | _            |              |          |          |          | _        |  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |
|             | 64<br>65       |               | <u> </u>     |              | Ш        |          |          | _        |  | Ш                                   |
|             | 65             | <u></u>       | <u> </u>     | L            | Ш        |          |          | <u> </u> |  | Ш                                   |
|             | 66             |               |              | $oxed{oxed}$ | Ш        |          |          |          | L  | Ш                                   |
| L           | 67             |               |              |              |          |          |          |          |  |                                     |
|             | 68             |               |              |              |          |          |          |          |  |                                     |
|             | 69<br>70       |               |              |              |          |          |          |          |  |                                     |
|             | 70             |               |              |              |          |          | _        |          |  |                                     |
|             | 71             |               |              |              |          |          |          |          |  |                                     |
|             | 72             |               |              |              |          |          |          | Г        |  |                                     |
|             | 73             |               |              |              |          |          |          |          |  |                                     |
| h           | 72<br>73<br>74 |               |              |              |          |          |          |          |  |                                     |
|             | 75             |               |              |              |          |          |          |          |  |                                     |
|             | 75<br>76       | $\overline{}$ | $\vdash$     |              |          |          |          |          |  |                                     |
|             | 77             |               |              |              |          |          |          |          |  |                                     |
|             | 78             |               |              |              |          |          |          |          |  |                                     |
|             | 78<br>79       |               | -            |              | _        |          | _        |          | _  |                                     |
|             | 80             |               | _            |              |          |          | _        |          | _  |                                     |
|             | 81             |               | -            | _            |          | -        |          |          | _  |                                     |
|             | 82             |               | $\vdash$     |              |          |          | -        | $\vdash$ | $\vdash$                                     |                                     |
|             | 83             |               |              | $\vdash$     |          |          | _        |          | _  |                                     |
| -           | 84             | _             |              | _            | $\vdash$ | $\vdash$ | $\vdash$ | _        | $\vdash$                                     | $\vdash$                            |
|             | 85             |               | _            |              |          |          | -        |          | $\vdash$                                     | $\vdash$                            |
|             | 86             |               |              | $\vdash$     | -        | -        |          | -        | -  | $\vdash$                            |
|             | 86<br>87       | -             | -            | -            |          |          |          |          | <del> </del>                                 | $\vdash$                            |
|             | 88             | -             | $\vdash$     | $\vdash$     |          | -        |          | <u> </u> | <u> </u>                                     | $\vdash$                            |
|             | 89             | _             | $\vdash$     |              | H        | -        | -        |          |  | Н                                   |
|             | 90             |               | $\vdash$     | $\vdash$     |          | $\vdash$ |          | —        | <u> </u>                                     |                                     |
| -           | 91             | -             | -            | $\vdash$     | -        |          | -        | ļ        | -  | H                                   |
|             |                | -             | $\vdash$     | $\vdash$     | $\vdash$ |          | $\vdash$ | $\vdash$ | $\vdash$                                     | Н                                   |
|             | 92<br>93       |               |              |              |          |          |          |          | -  |                                     |
| -           | 93             |               | $\vdash$     |              |          |          |          |          | $\vdash$                                     | -                                   |
|             |                |               |              |              | 7.11     | 7- 7     |          |          |  |                                     |
| -           | 95             |               | -            | -            |          |          | _        | -        |  | -                                   |
|             | 96             | _             | -            | _            | -        |          | -        | -        | -  | $\vdash$                            |
| -           | 97             | _             | <u> </u>     | $\vdash$     | $\vdash$ | _        | _        | -        |  | Н                                   |
| -           | 98             |               | $\vdash$     | $\vdash$     | $\vdash$ |          |          | -        | <u>.                                    </u> | $\vdash$                            |
| -           | 99             |               |              |              | <u> </u> |          |          | $\vdash$ |  | $\vdash$                            |
| 1           | 100            |               |              | ı            |          |          |          |          |  | 1                                   |

| Cla      | aim  | Date         |          |          |              |              |              |          |          |                 |
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|          | 102  |              |          |          |              |              |              |          |          |                 |
|          | 103  |              |          |          |              |              |              |          |          |                 |
|          | 104  |              |          |          |              |              |              |          |          |                 |
|          | 101<br>102<br>103<br>104<br>105<br>106                             |              |          |          |              |              |              |          |          |                 |
|          | 106  |              |          |          |              |              |              |          |          |                 |
|          | 107<br>108   |              |          |          |              |              |              |          |          |                 |
|          | 108  |              | _        |          |              | <u></u>      | <u> </u>     |          |          | Ш               |
|          | 109  | i            | <u> </u> |          | _            |              | _            |          |          | Ш               |
|          | 110  |              | <u> </u> |          | _            | _            |              | _        | _        |                 |
|          | 111  |              |          |          | _            |              | <u> </u>     |          |          | Ш               |
|          | 112  | <u> </u>     | <u> </u> | <u> </u> | <u> </u>     | <u> </u>     | <u> </u>     | _        | _        | Щ               |
| ļ        | 113  | <del> </del> |          | <u> </u> | <del> </del> | <del> </del> |              | _        | <u> </u> | $\vdash \vdash$ |
|          | 110<br>111<br>112<br>113<br>114<br>115<br>116<br>117<br>118<br>119 | <u> </u>     |          | -        |              | <del> </del> |              |          |          |                 |
| <u> </u> | 115  |              | ├        |          | -            | ├            | <del> </del> | _        |          | $\vdash$        |
|          | 117  |              | $\vdash$ |          | -            | $\vdash$     | ┝            |          |          | Н               |
| -        | 118  | _            | $\vdash$ | _        |              | $\vdash$     | $\vdash$     |          |          | Н               |
|          | 110  | -            | ┝        | -        | -            | ├─           | $\vdash$     |          |          | Н               |
|          | l 120  | -            | $\vdash$ | -        | ┢            |              | ┢            | <u> </u> | $\vdash$ | $\vdash \vdash$ |
|          | 121<br>122<br>123  | $\vdash$     | $\vdash$ | _        |              |              | H            |          | _        | $\vdash$        |
|          | 122  |              | $\vdash$ |          |              | $\vdash$     | H            |          |          | Н               |
| h        | 123  | _            | -        |          | _            |              | -            | _        | _        | -               |
|          | 124  |              |          |          |              |              |              |          | _        | П               |
|          | 125  |              |          |          |              |              |              |          |          |                 |
|          | 126  |              |          |          |              |              |              |          |          |                 |
|          | 127  |              |          |          |              |              |              |          |          |                 |
|          | 128  |              |          |          |              |              |              |          |          |                 |
|          | 124<br>125<br>126<br>127<br>128<br>129<br>130                      |              | L        | <u> </u> |              |              | Ŀ            |          |          | Щ               |
|          | 130  |              | <u> </u> | <u> </u> |              | _            | _            | L        |          |                 |
|          | 131  |              |          | ļ        |              |              | _            | _        | _        | $\Box$          |
|          | 132<br>133   |              | _        | <u> </u> |              |              | _            | _        |          | Н               |
|          | 133  |              | <u> </u> | <u> </u> |              | _            | <u> </u>     | <u> </u> | _        | Н               |
|          | 134  | -            | <u> </u> | -        | _            |              | <u> </u>     | H        | _        | Н               |
|          | 135<br>136   |              | -        |          |              |              |              |          |          | H               |
|          | 137  | <u> </u>     | ┢        | $\vdash$ | -            | -            | ┝            |          |          | ⊢               |
| -        | 138  | -            |          |          | _            |              |              | -        | _        | Н               |
|          | 138<br>139   | $\vdash$     | ┢        | $\vdash$ | _            | $\vdash$     | $\vdash$     |          |          | H               |
|          | 140  | $\vdash$     | $\vdash$ | $\vdash$ |              |              |              |          |          | Н               |
|          | 141  | <b> </b>     |          |          |              | 一            | $\vdash$     | <u> </u> |          | $\vdash$        |
|          | 142  |              |          | $\vdash$ | П            | Г            | T            | Г        | H        | $\Box$          |
|          | 143  | Г            |          | Г        |              |              |              |          |          | П               |
|          | 144  |              |          |          |              |              |              |          |          |                 |
|          | 145  |              |          |          |              |              | 1            |          |          | - 1             |
|          | 146  |              |          |          |              |              |              |          |          |                 |
|          | 147  |              |          |          |              |              |              |          |          |                 |
|          | 148  |              |          |          |              |              |              |          |          | Ш               |
|          | 149  | <u> </u>     | <u> </u> | <u> </u> |              |              |              | Ŀ        | <u> </u> | Ш               |
| لـــــا  | 150  | L            | L        | L        |              |              |              |          |          | Ш               |